## *LineUp With Math*<sup>TM</sup> Alignment
### Arkansas Mathematics Curriculum Framework

| **Strand: Number and Operations** |
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**Standard 3: Numerical Operations and Estimation**
**Students shall compute fluently and make reasonable estimates**

| **Student Learning Expectation** | *LineUp With Math*<sup>TM</sup> **Activities** |
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| NO.3.8.3<br>Use *estimation* to solve problems involving *rational numbers*; including *ratio*, *proportion*, *percent* (increase or decrease) then judge the reasonableness of solutions | --Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control.<br><br>--Use percent relationships to resolve distance, rate, time conflicts in air traffic control. |
| NO.3.8.6<br>Solve, with and without *technology*, real world *percent* problems including *percent* of increase or decrease | --Use percent relationships to resolve distance, rate, time conflicts in air traffic control. |

| **Strand: Measurement** |
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**Standard 12: Physical Attributes**
**Students shall use attributes and tools of measurement to describe and compare mathematical and real-world objects**

| **Student Learning Expectation** | *LineUp With Math*<sup>TM</sup> **Activities** |
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| M.12.8.2<br>Describe and apply equivalent measures using a variety of units within the same system of measurement | --Apply mathematics to solving distance, rate, and time problems for aircraft conflict scenarios. |

**Standard 13: Systems of Measurement**
**Students shall identify and use units, systems and processes of measurement**

| **Student Learning Expectation** | *LineUp With Math*<sup>TM</sup> **Activities** |
|---|---|
| M.13.8.3<br>Apply proportional reasoning to solve problems involving indirect measurements, scale drawings or rates | --Use an interactive simulator plus calculation worksheets to apply proportional reasoning to identify and resolve distance, rate, time conflicts in air traffic control. |